HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT
GENERAL SECRETARIAT FOR RESEARCH & INNOVATION

FORTH
FOUNDATION FOR RESEARCH & TECHNOLOGY - HELLAS
INSTITUTE OF CHEMICAL ENGINEERING SCIENCES

Patras, 28.3.2024
Ref. No.: 136651

Invitation for Expression of Interest:
Ph.D. Fellowship "Laser-assisted synthesis of graphene-based electrodes and electrochemical characterization of textile-embedded supercapacitors"

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE- HT) is seeking applicants for one PhD candidate position in the context of the research project «Innovative pilot lines for sustainable graphene-based flexible and structural energy harvesting and storage devices (GRAPHERGIA), GA: 101120832», which is implemented under the HORIZON EUROPE.

Job Description
To conduct research as a Ph.D. candidate in the framework of the aforementioned project "GRAPHERGIA". The main objective of GRAPHERGIA is to develop a new science-based, holistic approach, implementing new advances to achieve one-step, laser-assisted synthesis, processing, functionalization and simultaneous integration of graphene-based materials and graphene nanohybrids, directly into relevant energy harvesting/storage devices. The selected candidate will conduct research, as a graduate student (PhD), in the framework of the aforementioned project "GRAPHERGIA", in the field of laser-assisted synthesis of graphene-based electrodes and electrochemical characterization of textile-embedded supercapacitors.

Location: FORTH/ICE-HT, Patras, Greece
Duration: up to 12 months, with the potential of renewal or extension according to the needs of the project.
Fellowship: up to approximately 840 € per month (graduate fellowship) depending on qualifications.
Envisaged starting date: 01/05/2024

Requirements and Qualifications
The applicant should hold both undergraduate (B.Sc.) and M.Sc. degree in Physics or Chemistry or Materials Science or a related field. Additionally, candidates should have been enrolled in a Ph.D. program in Physics or Chemistry or Materials Science or a related field. Preference will be given to candidates with experience in: (i) utilizing lasers to prepare graphene-based nanomaterials by transforming various carbon sources, and (ii) fabricating supercapacitor electrodes and conducting their electrochemical characterization using relevant techniques. Candidates must be fluent in Greek language and have a good knowledge of English (at least level B2) language.

The evaluation of the candidacies will be based on the following criteria and qualifications:

Qualifications	Weigh	Evaluation criteria
Proven experience in the laser-assisted synthesis and structural characterization of graphene-based materials	30	Demonstrated through the relevance of the master degree thesis. High relevance: 30 points. Medium relevance 15 points. Low relevance: 5 points
Proven experience in the fabrication and electrochemical characterization of graphene/metal oxide nanoparticle-based supercapacitors	25	Demonstrated through the duration of experience acquired from participation in relevant funded research projects: 2 points per month of active participation; up to 25 points)
Interview	25	(a) Background in the objective of the assignment (10 points). (b) Organizational and communication skills (5 points). (c) Team-spirit and self-motivation (5 points). (d) Commitment to achieving the goals (5 points).
M.Sc. grade	10	1 point X M.Sc. grade
Knowledge of English Language	10	5 points (C1), 10 points (C2)
Overall	**100**	

Application Submission
Interested candidates who meet the aforementioned requirements should submit their applications, no later than 8/4/2024, 16:00 h, by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr.
In order to be considered, the application must include:

- Application letter
- CV with clear description of the methodologies possessed by the applicant and the level of experience
- Scanned copies of academic titles & English language certificate
- Certificate of registration as a Ph.D candidate
- Copy of M.Sc. thesis
- Employer's certificate and any other official documentation of the required experience

Any application received after the deadline will not be considered for the selection.

Selection Procedure
Applications that are received on time will be evaluated by a scientific committee using the criteria mentioned above.

The outcome of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of "DIAVGEIA".
In case of titles and qualifications awarded by foreign Higher Education Institutions, the provisions of the Law 55/2023 (article 36) and 4957/2022 (article 304) are implemented.

Selection Announcement
The result of the selection will be announced on the website of: FORTH/ICE-HT.
Candidates have the right to appeal the selection decision, by addressing their written objection to the FORTH/ICE-HT Research Secretariat, e-mail: kleanthi@iceht.forth.gr, within five (5) days after the results announcement on the web.

Contact
For information and questions regarding the application and selection procedure, candidates are asked to contact the FORTH/ICE-HT Research Secretariat, e-mail: kleanthi@iceht.forth.gr, tel.: +30 2610 965278.
For information and questions about the advertised position and the research activity of the group or the Institute, candidates are asked to contact Professor Spyros Yannopoulos: tel: 30 2610 965252, email: sny@iceht.forth.gr

General Protection Data Regulation
FORTH is compliant with all legal procedures for the processing of personal data as defined by the Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data.
FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific call. Such data shall not be transmitted to or communicated to any third party unless required by law.
FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one's legitimate legal rights as defined in the Regulation EU/2016/679 and/or in national law.
We inform you that under the Regulation EU/2016/679 you have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws.
We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at dpo@admin.forth.gr.
You have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.

For FORTH/ICE-HT,
Theophilos Ioannides
Director